Brian Dwyer

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OBJECTIVE

To obtain a position requiring a high-level of initiative and responsibility that will allow me to reach my full potential as a professional in the areas of computer networking and telecommunication technology.

CERTIFICATIONS & PROFICIENCIES

Cisco Certified Network Professional – CCNA, CCNP
Microsoft Certified IT Professional – MCITP: EA/EDA "MCSE 2008"

- Server Systems -	- Virtualization -	- Network - - Infrastructure -	- Security -
Windows Server 2008,'12 **Active Directory** **Exchange, IIS, WDS, WSUS** **Clustering, High-Availability** **Network Load Balancing** **DNS, DHCP, LDAP, PXE** **Thin-Client Deployment** **Citrix Provisioning Server** **XenDesktop, MDM** **Novell SLES & OpenSUSE** **CentOS, Fedora & Red Hat** **Percona MySQL** **MySQL Cluster 7.2** **LAMP, NginX, APC** **SharePoint & OWAP**	**VMware ESXi & vCenter** **vMotion & HA** **VMware Workstation** **Microsoft Hyper-V** **Microsoft SCVMM** **Citrix Xen** **OpenSUSE Xen** **Puppet** **- Programming Languages -** **Microsoft Visual Basic .NET** **Microsoft PowerShell** **Microsoft VBScript** **Batch Scripting (DOS)** **Linux Shell Scripting (Bash)** **HTML & CSS** **Puppet, SQL**	**Cisco IOS & CatOS** **VPN, VLAN, STP, NAT** **RIP, OSPF, EIGRP, HSRP** **WLAN 802.11A,B,G,N** **802.1q, 802.3ad (LACP)** **802.3af (PoE)** **IPv6**	**Group Policy** **Forefront TMG & UAG** **FF Endpoint Security** **Cisco PIX & ASA** **Access Control Lists** **SonicWALL Firewalls** **Secure Network Design** **DMZ, IDS/IPS** **Nessus, Wireshark** **802.1x & NAP** **AD Certificate Services** **ADCS PKI CRL & OCSP** **Likewise SSO** **IPTables, SELinux** **MDM, SEAndroid**

EDUCATION

Morrisville State College, School of Business: Bachelor of Technology – Network Administration
Attended 2010-2012. GPA 3.74 *Magna Cum Laude, President's List, Dean's List*

Nassau Community College, School of Engineering: Computer Repair & Electrical Engineering
Attended 2008-2009. GPA 3.6, *Dean's List*

PROFESSIONAL MEMBERSHIPS

Institute of Electrical and Electronics Engineers (IEEE): Member #91145004

WORK EXPERIENCE

CooCoo SMS: *Senior Network & Deployment Engineer*   **July '11 - Current**
  - Developed and implemented Network Infrastructure PCI-DSS Compliance strategy.
  - Maintain servers and network infrastructure in colocations and development offices.
  - Engineered a secure site-to-site and mobile VPN infrastructure for multiple locations.
  - Engineered a fully virtualized server architecture with iSCSI SAN storage.
  - Engineered a highly-available MySQL Cluster database & multi-site replication scheme.
  - Optimized NginX/PHP-FPM web server architecture using Memcached and APC.
  - Implemented high-availability and load-balancing solutions.
  - Architected mobile WLAN/WWAN infrastructure for bus/train wireless connectivity.
  - Designed an Enterprise PKI infrastructure.
  - Engineered an Apple Enterprise Mobile Device Management (MDM) infrastructure.
  - Completely wired, designed and implemented a new branch office network during off-hours.

Intelligent Digital Services: *Side Business*   **'04 - Current**
  - Highly experienced in troubleshooting computer hardware and network issues.
  - Expert in virus/spyware removal.
  - Experienced in small business network design & deployment including outdoor long-range wireless.
  - Experienced in building application-specific workstations.

Various Yacht Clubs: *Launch Operator*   **March'07 - Current**
  - Gained experience in hospitality management practices.
  - Gained experience in safely transporting passengers to and from boats.
  - Gained experience teaching new drivers and performing general boatyard maintenance.

WAMCO Electric: *Electrician's Apprentice*   **Summer '05**
  - Gained experience with copper and fiber core network cabling infrastructure.
  - Performed high & low voltage troubleshooting.

PROJECT EXPERIENCE

Network & Systems Engineer – LIRR Mobile Ticketing Pilot
        Summer '12
  - Provided on-site support to LIRR personnel during pilot program.
  - Worked with LIRR IT Department to integrate with their infrastructure.

Network & Systems Engineer – NCTD Mobile Ticketing Deployment
        Spring '12
  - Designed Apple MDM function to deploy code to push code to handheld devices.
  - Assisted in web service architecture design process.
  - Developed and implemented Network Infrastructure PCI-DSS Compliance strategy.
  - Developed an IT Security Policy.
  - Worked with team to coordinate development and implementation strategies.

Network & Systems Engineer – Design & Integration of Multiple Sites
        Fall '11 – Network Integration & Interoperability
  - Designed and linked multiple sites using redundant, high-availability design practices.
  - Deployed functional communications infrastructure including Exchange 2010, BES, and SMS servers.
  - Deployed security technologies including IPsec, IDS/IPS, 802.1x NAP enforcement and captive portal.
  - Worked with team to coordinate development and implementation strategies.

PROJECT EXPERIENCE - *Continued*

Network & Systems Engineer – Citrix Provisioning Server Deployment
> *Spring '11 – Project Management*
- Worked with project team to create Gantt chart, WBS and initial cost/feasibility analysis.
- Gained experience with Microsoft Project 2010 and Project Management.
- Created high-availability using VMware vCenter and vSphere hosted on an iSCSI SAN.
- Utilized Intel AMT to facilitate Out-of-Band management of workstations.
- Deployed Enterasys GigE switching environment to eliminate network throughput bottlenecks.

Network & Systems Engineer – Citrix XenDesktop Deployment
> *Fall '10 – Network Administration*
- Created highly-available virtual server using Hyper-V clustering features.
- Utilized Microsoft System Center Virtual Machine Manager to manage virtual environment.

Cyber Forensics Technician – Virtual Machine Introspection (VMI)
> *Fall '10 – Special Project*
- Studied techniques to perform forensic analysis of virtual environments.
- Conducted forensic analysis of OpenSUSE Xen VM using XenAccess library.

ADDITIONAL QUALIFICATIONS

- **USCG Commercial Captain's License**
- **Transportation Worker Identification Credential (TWIC)**